WHAT IS CLAIMED IS:

1	1. A method for use by a first process executing in a computer system for
2	interacting with a second process executing in the computer system, the method comprising:
3	during a startup sequence of the second process, creating a copy of a global
4	notification hook of the first process in the second process;
5	using the copy of the global notification hook, detecting an occurrence of a
6	triggering message passed between an operating system and a thread of the second process;
7	in response to detecting the occurrence of the triggering message, determining
8	whether subsequent messages passed between the operating system and the thread of the
9	second process should be monitored; and
10	in the event that the subsequent messages should be monitored, activating a
11	thread-level message hook within the thread of the second process, wherein the thread-level
12	message hook is configured to monitor the subsequent messages.
1	2. The method of claim 1, wherein the thread-level message hook is
2	further configured to cause an action to occur in response to a specified subsequent message.
2	further configured to cause an action to occur in response to a specified subsequent message.
1	3. The method of claim 2, wherein the action includes creating a visual
2	effect for a window of the second process.
1	4. The method of claim 1, wherein the thread-level message hook is
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2	configured so as not to affect operation of a third process executing concurrently with the
3	second process in the computer system.
1	5. The method of claim 1, wherein the triggering message is a window
2	creation message.
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1	6. The method of claim 5, wherein the act of determining whether
2	subsequent messages should be monitored includes determining whether the window creation
3	message relates to a window of interest.
1	7. The method of claim 6, wherein the window creation message relates
2	to a window of interest unless one or more of the following conditions obtains: (a) the
3	window creation message does not relate to a visible window; (b) the created window has a

5	window type that is incompatible with the thread-level message hook.
1	8. The method of claim 1, wherein the first process is a desktop
2	management process.
1	9. The method of claim 8, wherein the second process is an application
2	process.
1	10. The method of claim 1, further comprising, during a startup sequence
2	of the first process:
3	detecting a third process executing in the computer system;
4	inserting a copy of the global notification hook into the third process; and
5	broadcasting a private startup message to the copy of the global notification
6	hook in the third process.
1	11. The method of claim 10, wherein, in response to the private startup
2	message, the copy of the global notification hook executes acts of:
3	determining whether subsequent messages passed between the operating
4	system and a thread of the third process should be monitored; and
5	in the event that the subsequent messages should be monitored, activating a
6	thread-level message hook within the thread of the third process.
1	12. The method of claim 11, wherein determining whether subsequent
2	messages passed between the operating system and the thread of the third process should be
3	monitored includes:
4	identifying a previously created window of the third process; and
5	determining whether the previously created window is of interest, wherein
6	subsequent messages should be monitored in the event that the previously created window
7	of interest.
1	13. The method of claim 1, wherein the act of activating the thread-level
2	message hook includes mapping executable code for the thread-level message hook into an
3	address space of the second process.

window type designated by a user as not being of interest; and (c) the created window has a

1	14. The method of claim 1, wherein the act of creating the copy of the
2	global notification hook includes mapping executable code for the global notification hook
3	into an address space of the second process.
1	15. The method of claim 1, wherein the act of detecting the occurrence of
2	the triggering message includes receiving message data of the triggering message.
1	16. The method of claim 15, wherein the message data of the triggering
2	message is provided to the copy of the global notification hook concurrently with a
3	transmission of the triggering message to the thread of the second process.
1	17. The method of claim 16, wherein the second process has a
2	process-specific message queue that receives the transmitted message data of the triggering
3	message.
3	niessage.
1	18. A method for use by a first process executing in a computer system for
2	interacting with a second process executing in the computer system, the method comprising:
3	during a startup sequence of the first process, creating a copy of a global
4	notification hook of the first process in the second process; and
5	broadcasting a private startup message from the first process to the copy of the
6	global notification hook;
7	wherein, in response to the private startup message, the copy of the global
8	notification hook executes acts of:
9	determining whether subsequent messages passed between the
10	operating system and a thread of the second process should be monitored; and
11	in the event that subsequent messages should be monitored, activating
12	a thread-level message hook within the thread of the second process, wherein the thread-level
13	message hook is configured to monitor the subsequent messages.
1	19. The method of claim 18, wherein the thread-level message hook is
2	configured so as not to affect operation of a third process executing concurrently with the

second process in the computer system.

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further configured to cause an action to occur in response to a specified subsequent message.

The method of claim 18, wherein the thread-level message hook is

1	21. The method of claim 18, wherein the action includes creating a visual
2	effect for a window of the second process.
1	22. The method of claim 18, wherein the global notification hook
2	determines that subsequent messages should be monitored in the event that a window of
3	interest exists in the second process.
1	23. The method of claim 22, wherein a window existing in the second
2	process is of interest unless one or more of the following conditions obtains: (a) the window
3	is not a visible window; (b) the window has a window type designated by a user as not being
4	of interest; and (c) the window has a window type that is incompatible with the thread-level
5	message hook.
1	24. The method of claim 18, wherein the first process is a desktop
2	management process.
1	25. The method of claim 24, wherein the second process is an application
2	process.
۷	process.
1	26. The method of claim 18, wherein the act of activating the thread-level
2	message hook includes mapping executable code for the thread-level message hook into an
3	address space of the second process.
1	27. A computer program product comprising:
2	a computer readable medium encoded with program code for a global
3	notification hook of a first process, wherein the program code for the global notification hook
4	is adapted to be copied into a second process during a startup sequence of the second process,
5	the program code for the global notification hook including:
6	program code for detecting an occurrence of a triggering message in
7	the second process;
8	program code for determining, in response to detecting the occurrence
9	of the triggering message, whether subsequent messages passed between the operating
10	system and a thread of the second process should be monitored; and
11	program code for activating a thread-level message hook within the
12	thread of the second process in the event that the subsequent messages should be

13	monitored, wherein the thread-level message hook is configured to monitor the
14	subsequent messages.
1	28. The computer program product of claim 27, wherein the computer
2	readable medium is further encoded with program code for the thread-level message hook,
3	the program code for the thread-level message hook including:
4	program code for controlling an action to be taken in the event that a selected
5	subsequent message is detected.
1	29. The computer program product of claim 27, wherein the computer
2	readable medium comprises a magnetic storage medium encoded with the program code.
1	30. The computer program product of claim 27, wherein the computer
2	readable medium comprises an optical storage medium encoded with the program code.
1	31. The computer program product of claim 27, wherein the computer
2	readable medium comprises a carrier signal encoded with the program code and adapted for
3	transmission via a network.
1	32. A computer program product comprising:
2	a computer readable medium encoded with program code for a global
3	notification hook of a first process, wherein the program code for the global notification hook
4	is adapted to be copied into a second process during a startup sequence of the first process,
5	the program code for the global notification hook including:
6	program code for broadcasting a private startup message from the first
7	process to the copy of the global notification hook;
8	program code for determining, in response to the private startup
9	message, whether subsequent messages passed between the operating system and a
10	thread of the second process should be monitored; and
11	program code for activating a thread-level message hook within the
12	thread of the second process, in the event that the subsequent messages should be
13	monitored, wherein the thread-level message hook is configured to monitor the
14	subsequent messages.

33. The computer program product of claim 32, wherein the computer
readable medium is further encoded with program code for the thread-level message hook,
the program code for the thread-level message hook including:
program code for controlling an action to be taken in the event that a specified
subsequent message is detected

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- 34. The computer program product of claim 32, wherein the computer readable medium comprises a magnetic storage medium encoded with the program code.
- 1 35. The computer program product of claim 32, wherein the computer 2 readable medium comprises an optical storage medium encoded with the program code.
- 36. The computer program product of claim 32, wherein the computer readable medium comprises a carrier signal encoded with the program code and adapted for 2 3 transmission via a network.